

CLAIMS

1. A screen device including a screen guide allowing a stretchable screen to open and close and configured to, in response to an open-close operation of the screen, crookedly move in and out the inside of at least one of frame members fixed to both ends of the screen in its open-close direction and be guided out along the end of the screen lying in a tension state so as to guide the end,

wherein the screen guide includes a large number of guide pieces composed of a synthetic resin, each formed in an approximately U-shape by its bottom and standing walls respectively extending along the end of the screen and the external side surfaces of the screen and having a structure in which passage holes are formed along the tops of the standing walls, two strings of wire members are exerted through the respective passage holes of the guide pieces, and the tops of the standing walls on the serial contact surfaces of the guide pieces are thus rotatably serially contacted with one another, and, when the screen guide is guided out along the end of the screen, a part of or all the serial contact surfaces of the adjacent guide pieces abut against each other.

2. The screen device according to Claim 1, wherein grooves allowing the wire members to be fitted therein and out are provided along the passage holes of the standing

walls.

3. The screen device according to Claim 1, wherein intermediate rotors are interposed between the passage holes of the adjacent guide pieces, allowing the wire members to pass therethrough.

4. The screen device according to any one of Claims 1 to 3, wherein a part of or all the guide pieces include engagements slidably engaging with a guide rail provided on a sliding surface allowing the guide pieces to slide thereon.

5. The screen device according to Claim 1, wherein the screen is extendably formed in an accordion-like shape while being alternately folded back and forth.

6. The screen device according to Claim 5, wherein the screen guides moves in and out the insides of the frame members fixed at both ends of the screen in its open-close direction.

7. The screen device according to Claim 1, wherein the screen is a flexible sheet-like member wound around a roller.

8. The screen device according to any one of Claims 5 to 7, wherein the screen is openable by horizontal drawing.

9. The screen device according to any one of Claims 5 to 7, wherein the screen is provided so as to be openable by horizontal drawing, and the screen guides are provided along both upper and lower side ends of the screen.

10. The screen device according to Claim 5, wherein the

screen is openable by horizontal drawing, one end of a tension string for achieving a parallel translation of a movable frame used for an open-close operation of the screen is connected to the screen guide so as to configure the parallel translation mechanism of the frame member with the screen guide and the tension string.

11. The screen device according to any one of Claims 5 to 7, wherein the screen is a fly net.